1908 DMS

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration Form Approved OMB No. 44-R1387

FP-91 A PENETRANT

Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)							
		SECT	ION I	- J			
MANUFACTURER'S NAME		<u> </u>		NCY TELEPHONE	E NO.		
MET-L-CHEK COMPANY 213-394-0222			94-0222				
ADDRESS Symber, Street, City, State, and ZIP Co. 1639 Euclid Street, Santa	Mon	ica, CA	90404				
CHEMICAL NAME AND SYNONYMS NA TRADE NAME AND SYNONYMS							
CHEMICAL FAMILY NA							
SECTION II - HAZARDOUS INGREDIENTS							
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC	COATINGS	%	TLV (Units)	
PIGMENTS			BASE METAL				
CATALYST			ALLOYS				
VEHICLE			METALLIC COATINGS				
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX	(
ADDITIVES			OTHERS				
OTHERS							
HAZARDOUS MIXTURE	S OF (OTHER LIC	DUIDS, SOLIDS, OR GASES		%	TLV (Units)	
		NONE					
•							
CF/	TIO		UVCICAL DATA				
			HYSICAL DATA		T -		
BOILING POINT (°F.)	41	7 F	SPECIFIC GRAVITY (H2O=1)		0	. 86	
VAPOR PRESSURE (mm Hg.)	1		PERCENT, VOLATILE BY VOLUME (%)	about	70		
VAPOR DENSITY (AIR=1) about	6.	7	EVAPORATION RATE (=1)		Unl	known	
SOLUBILITY IN WATER emulsifiable		. 744					
APPEARANCE AND ODOR light green	ish :	yellow	liquid, pleasant odor				
SECTION IV -	FIR	E AND E	XPLOSION HAZARD DAT	ГА			
FLASH POINT (Method used) over 200 F			FLAMMABLE LIMITS	Lel	T	Uel	
			1. water fog		_1		
foam, CO ₂ , dry chemical, water fog SPECIAL FIRE FIGHTING PROCEDURES NONE							
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONI	F					
	110111						

SECTION V - HEALTH HAZARD DATA				
THRESHOLD LIMIT VALUE 200 PPM (suggested)				
May cause signs and symptoms of central nervous system depression such as				
headache, dizziness, loss of appetite and weakness.				
EMERGENCY AND FIRST AID PROCEDURES Inhalation: Remove to fresh air, maintain respiration				
Eyes: Flush with plenty of water				
Skin: Remove by wiping, wash with soap and water				

			SECTI	ON VI - R	EACTIVITY DATA		
STABILITY		ABLE		CONDITION	CONDITIONS TO AVOID		
	STAB	STABLE X Keep away from sparks or open f			ay from sparks or open flames		
INCOMPATABIL	ITY (Materi	ials to avoid)	Stron	g oxidizi	ng agents		
HAZARDOUS D	ECOMPOSI	TION PRODU	JCTS II	ncomplete	combustion will release CO .		
HAZARDOUS MA		MAY OCCL	JR		CONDITIONS TO AVOID		
POLYMERIZATION	ION	WILL NOT OCCUR		X			
		٧					

SECTION VII - SPILL OR LEAK PROCEDURES	
steps to be taken in case material is released or spilled Remove sources of ignition. Avoid prolonged breathing of vapors. A	void
contact with skin and eyes.	
WASTE DISPOSAL METHOD inflammable liquid. Haul away for safe outdoor disposa	1,
or haul away by oil reclaimers. Use oil sewer if available.	

	SECTION VIII - SPECIAL PROTECTION	INFORMATION
RESPIRATORY PI	None under proper con	ditions of use.
		SPECIAL
VENTILATION	LOCAL EXHAUST When material is sprayed	
V		
	MECHANICAL (General) As required to maintain TLV	OTHER
	AS required to married to	
PROTECTIVE GLO	None See PROTECT	TION
OTHER PROTECT	IVE EQUIPMENT None	
	None	

SECTION IX - SPECIAL PRECAUTIONS			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store out of direct rays of sun. Do not expose to fire.			
A STANTIONS			
OTHER PRECAUTIONS Keep containers closed and clearly labeled.			

GPO 934-110



1639 Euclid Street . . . Santa Monica, Ca . . . 90404 . . . (213) 450-1111

DAS 1908

August 8, 1979

M.J. Veneroso
Dept. C1-725 (52-11)
Materials Handling & Packaging
Engineering
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, California 90846

Dear M.J. Veneroso:

Responding to your August 7, 1979 letter. FP-91A and FP-92 liquid penetrants are not hazardous materials under Title 49 CFR and IATA. The flash point of both materials are above 200°F .

Copies of OSHA Data Sheets for each material are attached.

Please advise if you wish further information.

Very truly yours,

Met-L-Chek Company

Phillip J. Maddex

PJM/ft